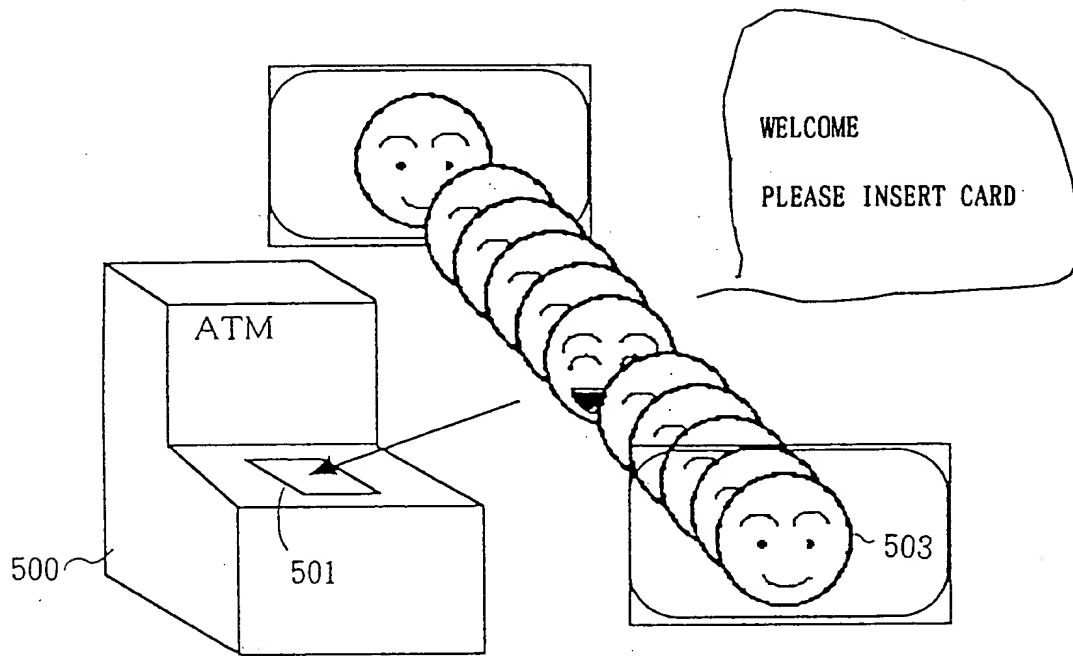


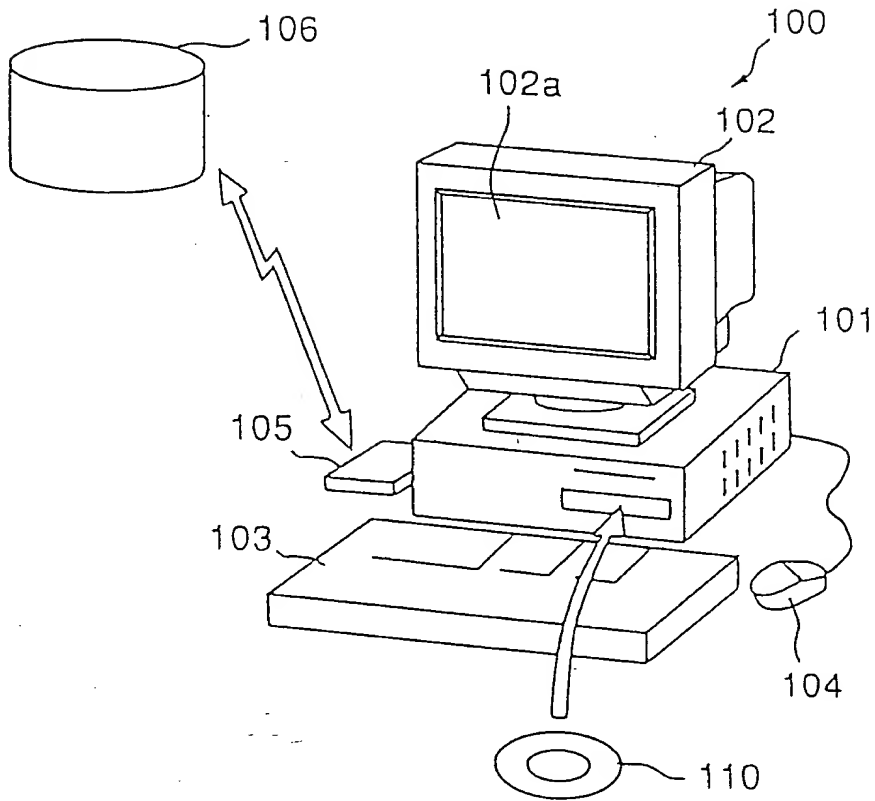
APPROVED	O.G. FIG. 5	
BY	CLASS	SUBCLASS
DRAFTSMAN	745	477

FIG. 1



50

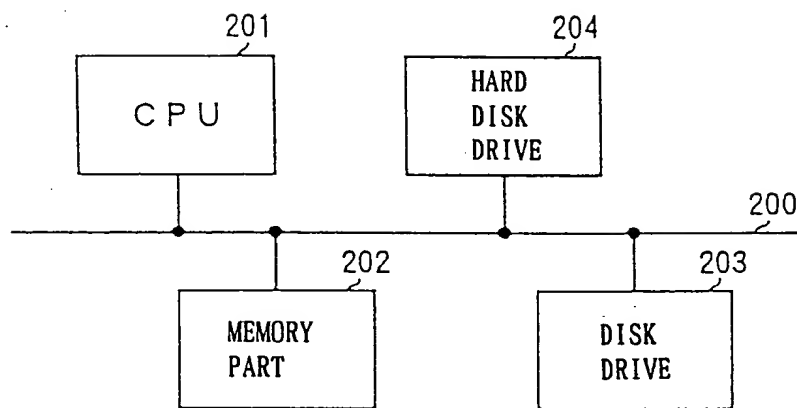
FIG. 2



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 3

1 0 1



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 4

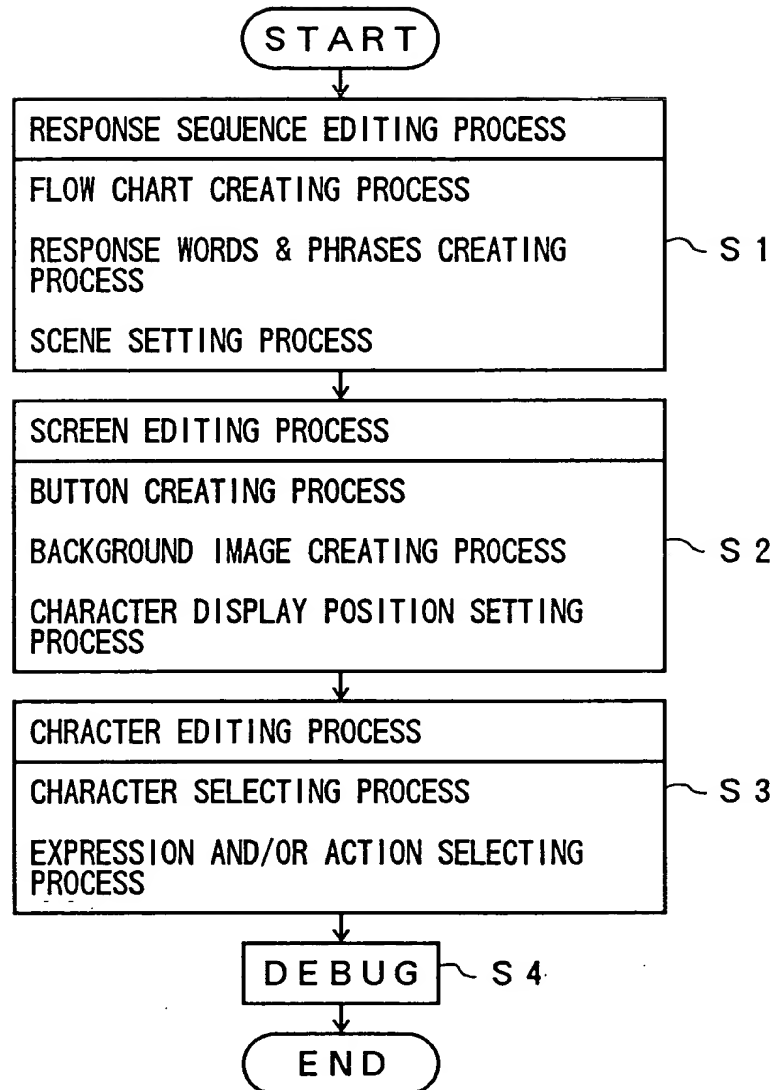


FIG. 5

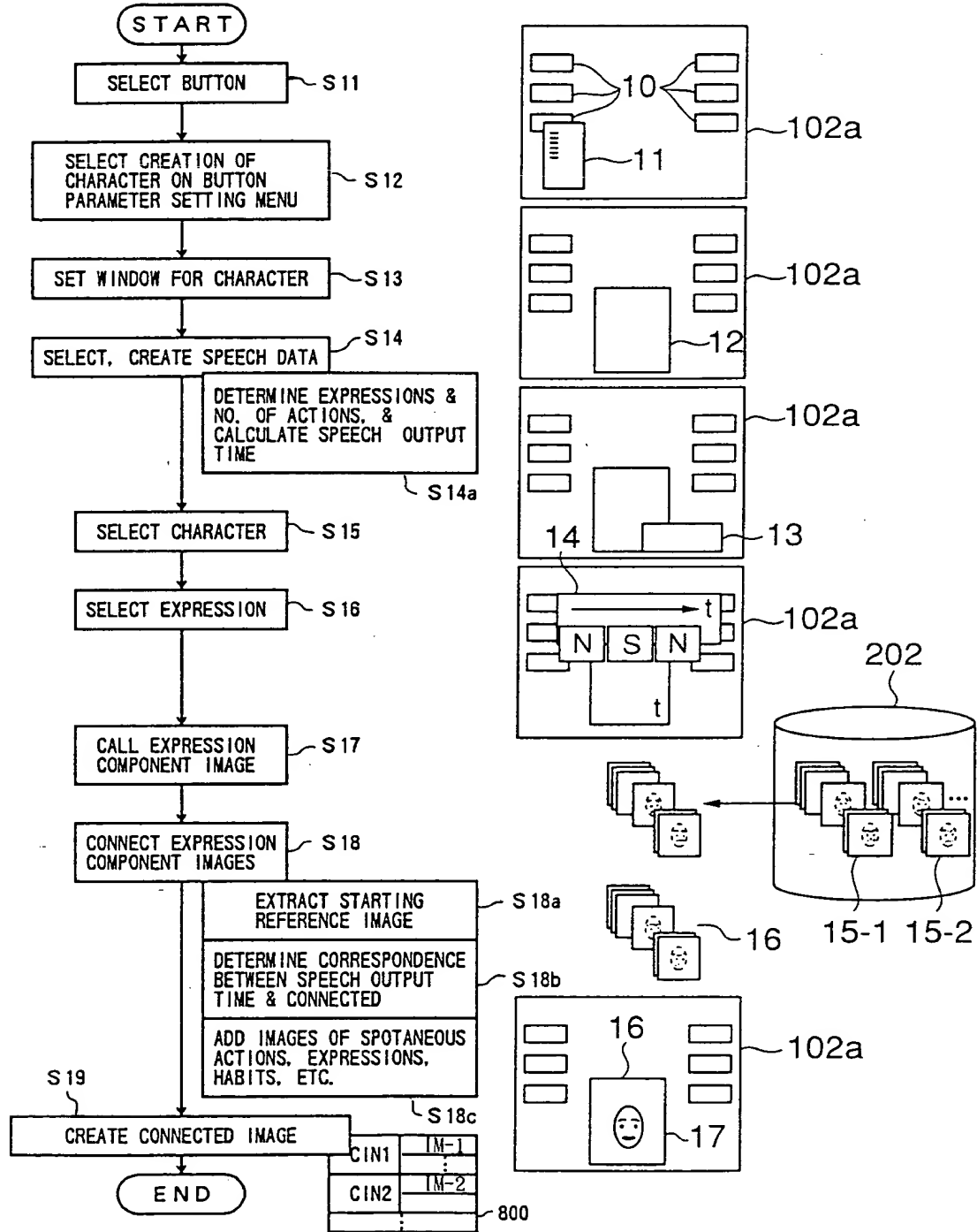
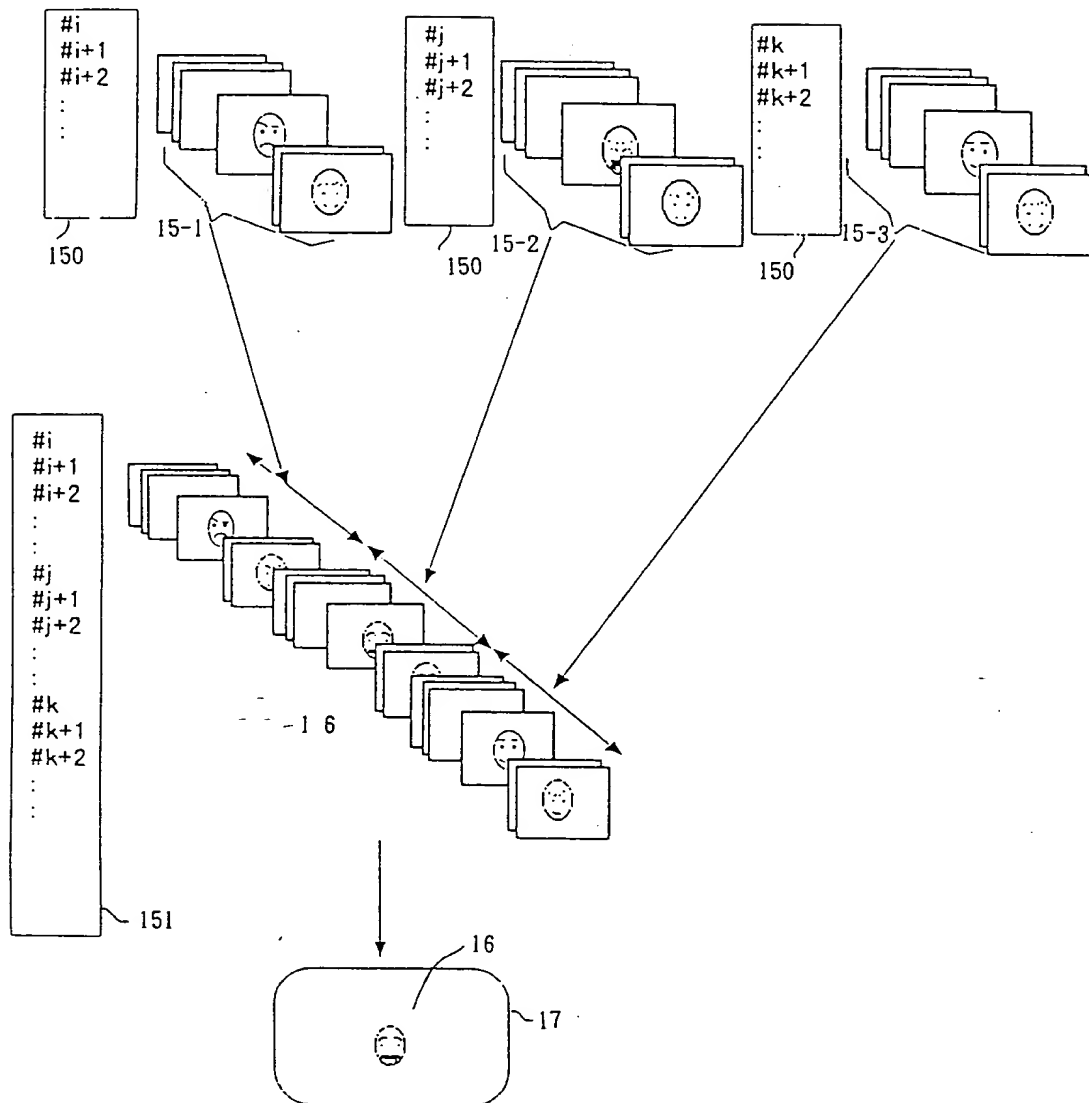


FIG. 6



# FIG. 7

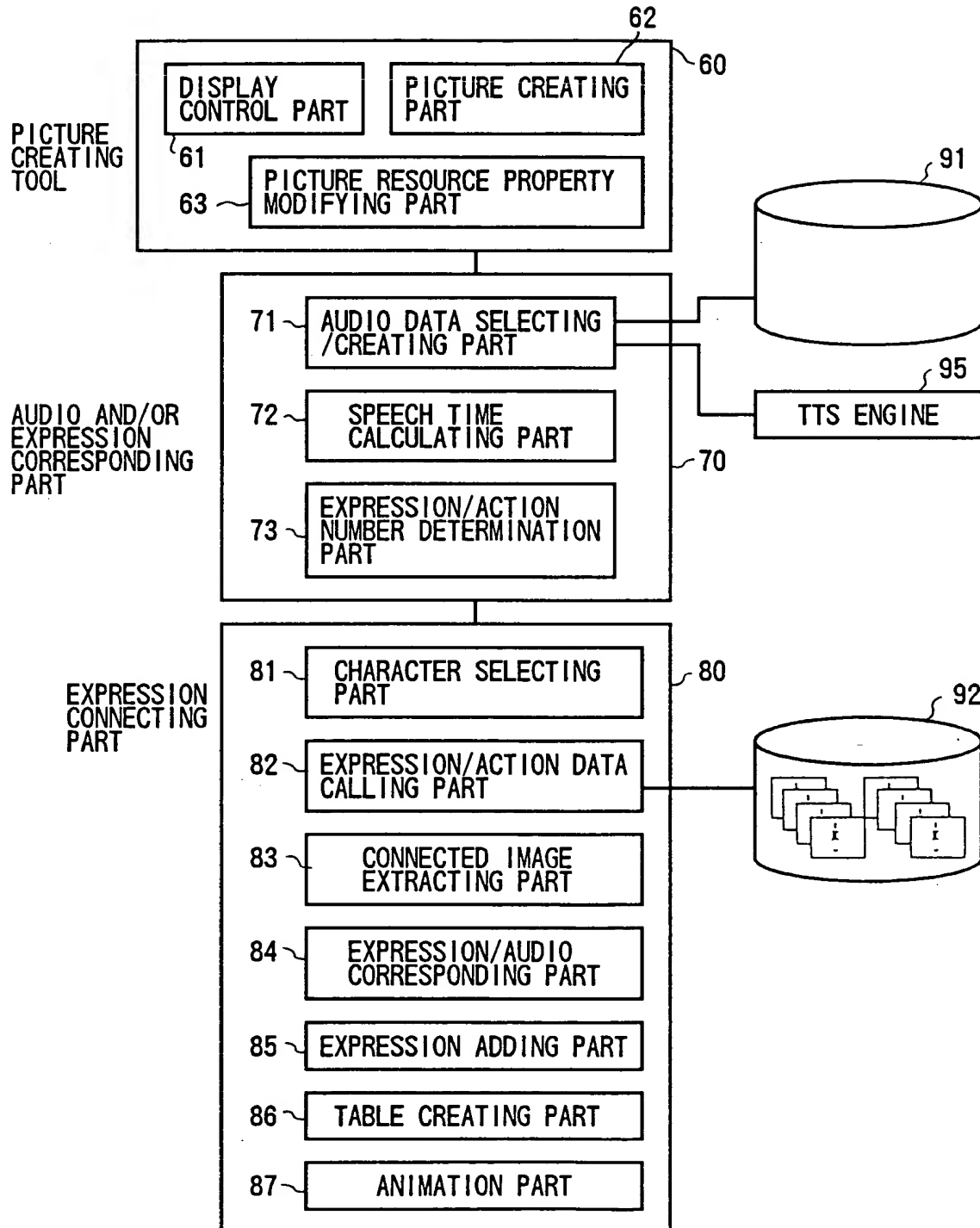


FIG. 8

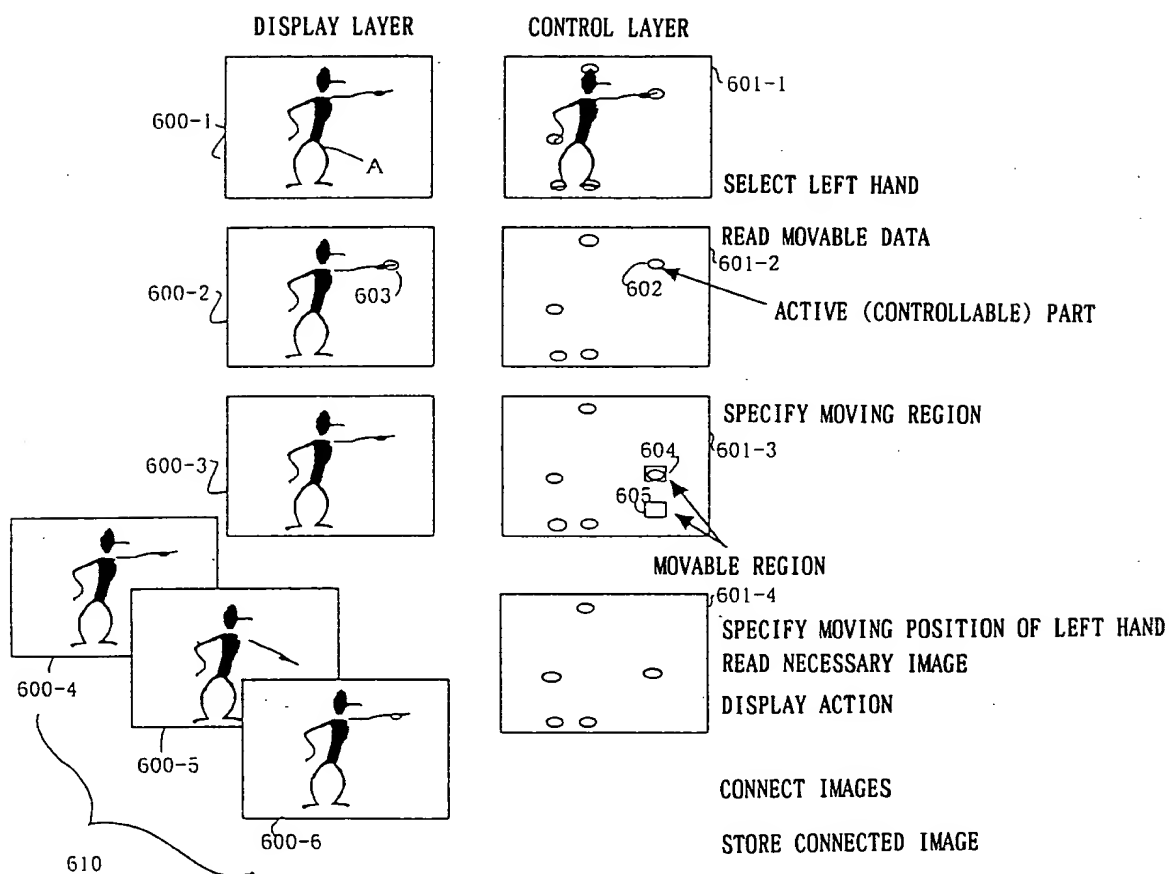
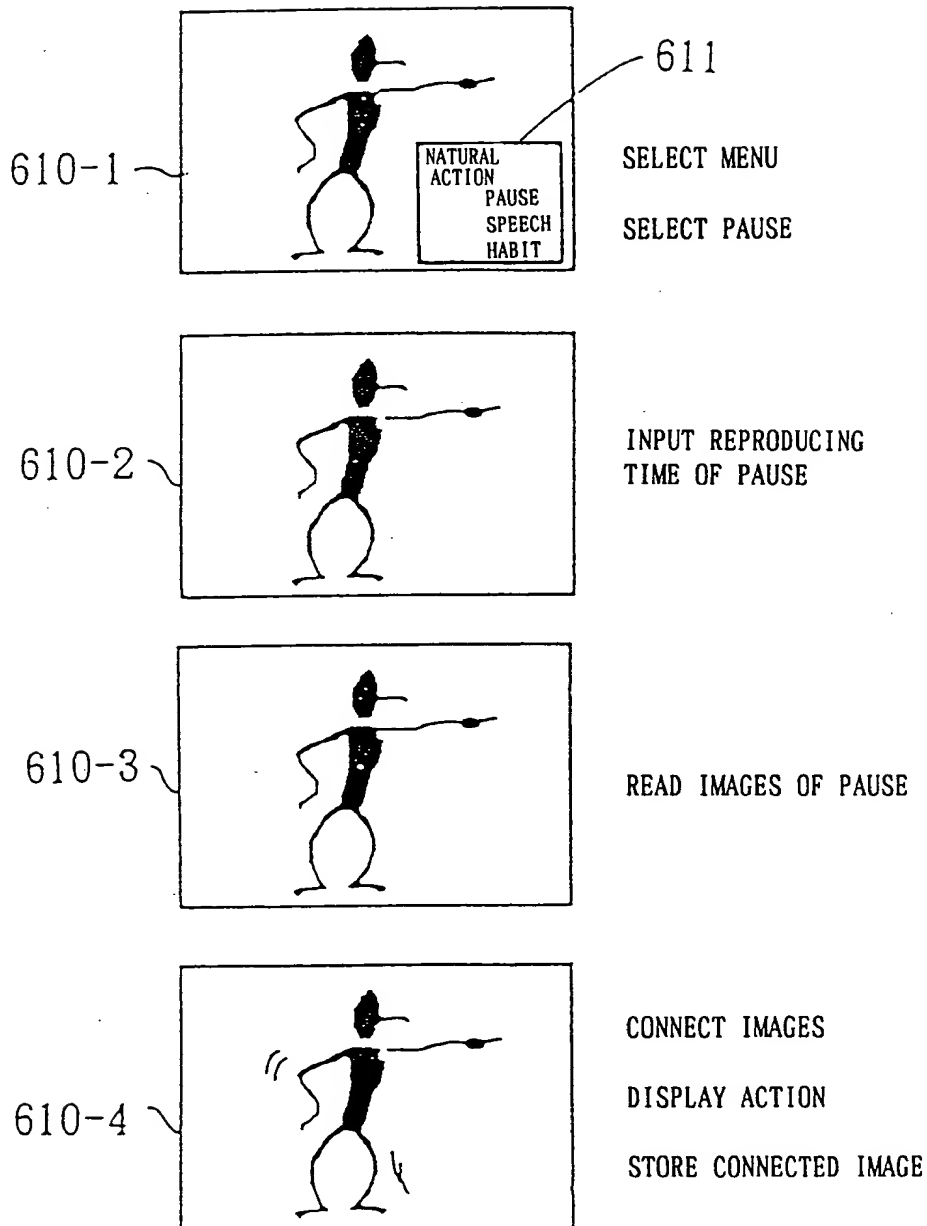




FIG. 9







APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

# FIG. 12

- ① TITLE: LEFT HAND INSTRUCTION 1
- ② T: 1 SECOND
- ③ N: 15
- ④ v: 15 frame/sec
- ⑤ TRANSITION POINT COORDINATE #1:  
x11,y11
- ⑥ INSTRUCTING POSITION COORDINATE:  
xlc,ylc
- ⑦ EACH ATTRIBUTE  
SPONTANEOUS ACTION: NONE  
DIRECTION OF FACE: FACING LEFT  
WALKING: NONE  
HABIT: INSTRUCT FROM BELOW  
SPEECH: NONE
- ⑧, ⑨  
TOP OF HEAD : xh, yh  
NECK : xn, yn  
LEFT HAND : x11,y11  
RIGHT HAND : xr,yr  
:  
:
- ⑩ "CHRACTER No. 1"

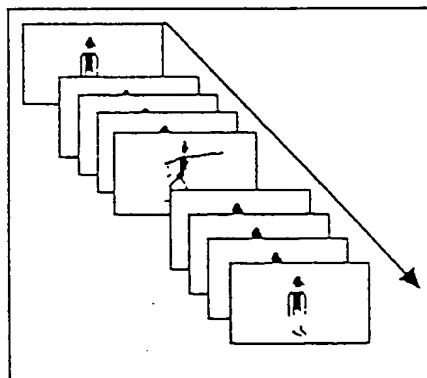
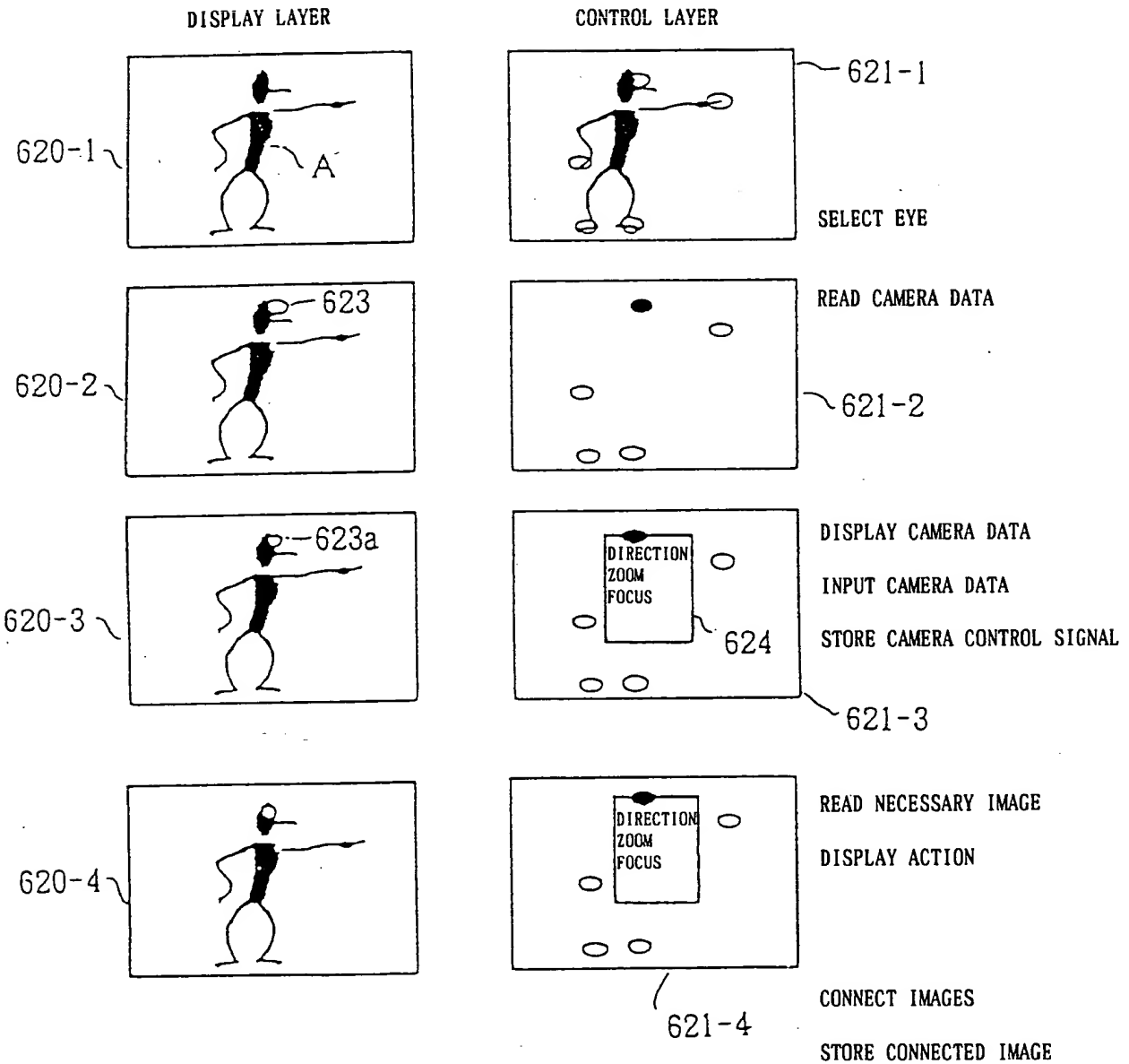


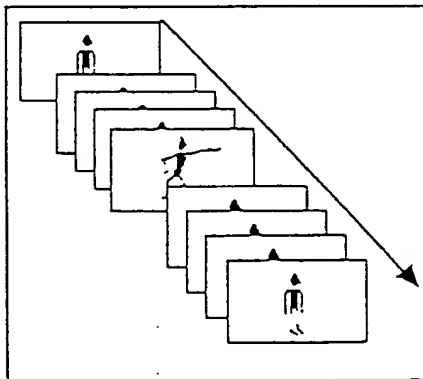
FIG. 13



620-1 ~ 620-4 ~

# FIG. 14

- ① TITLE: FACING LEFT 1
- ② T: 1 SECOND
- ③ N: 15
- ④ v: 15 frame/sec
- ⑤ TRANSITION POINT COORDINATE #1:  
x11,y11
- ⑥ INSTRUCTING POSITION COORDINATE:  
xlc,ylc
- ⑦ EACH ATTRIBUTE  
SPONTANEOUS ACTION: NONE  
LINE OF VISION: FACING LEFT  
CAMERA LINK: YES  
WALKING: NONE  
HABIT: INSTRUCT FROM BELOW  
SPEECH: NONE
- ⑧, ⑨  
TOP OF HEAD : xh, yh  
NECK : xn, yn  
LEFT HAND : x11,y11  
RIGHT HAND : xr, yr  
:  
:
- ⑩ "CHRACTER No. 1"







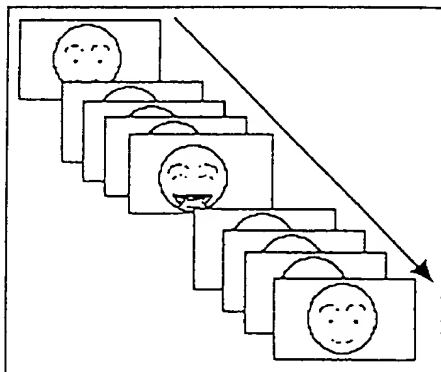


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DR. FTSMAN		

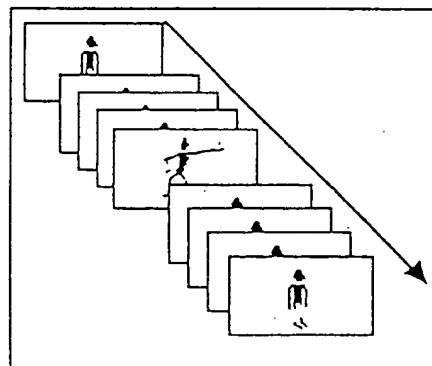
FIG. 17A

FIG. 17B

- ①EXPRESSION/ACTION  
IDENTIFICATION NAME (TITLE)
- ②REPRODUCING TIME T
- ③(NO. OF REPRODUCING IMAGES) N
- ④(IMAGE REPRODUCING RATE) v
- ⑤TRANSITION POINT COORDINATE #1
- ⑥TRANSITION POINT COORDINATE #N
- ⑦ATTRIBUTE  
EXISTENCE OF SPEECH  
EXISTENCE OF BLINK  
OTHER
- ⑧COORDINATE OF FEATURE POINT  
(EYE, NOSE, MOUTH, ETC.)
- ⑨FEATURE POINT IDENTIFICATION NAME
- ⑩CHARACTER IDENTIFICATION NAME



- ①EXPRESSION/ACTION  
IDENTIFICATION NAME (TITLE)
- ②REPRODUCING TIME T
- ③(NO. OF REPRODUCING IMAGES) N
- ④(IMAGE REPRODUCING RATE) v
- ⑤TRANSITION POINT COORDINATE #1
- ⑥INSTRUCTING POSITION COORDINATE
- ⑦ATTRIBUTE  
EXISTENCE OF WALKING  
EXISTENCE OF HABIT  
OTHER
- ⑧COORDINATE OF JOINT, BODY PART
- ⑨JOINT IDENTIFICATION NAME
- ⑩CHARACTER IDENTIFICATION NAME



Approved for Release

FIG. 18

SAME IMAGE  
NEUTRAL EXPRESSION/ACTION

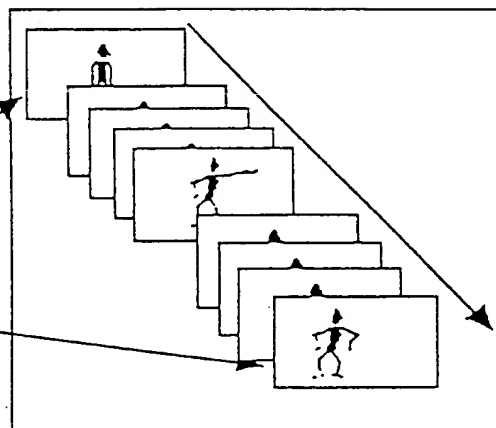


FIG. 19

REFERENCE IMAGES OF PLURALITY  
OF EXPRESSIONS/ACTIONS

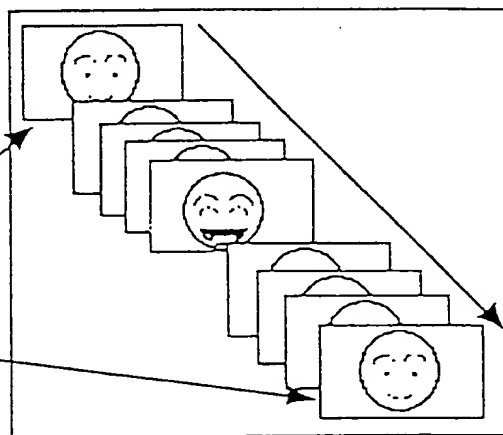


FIG. 20

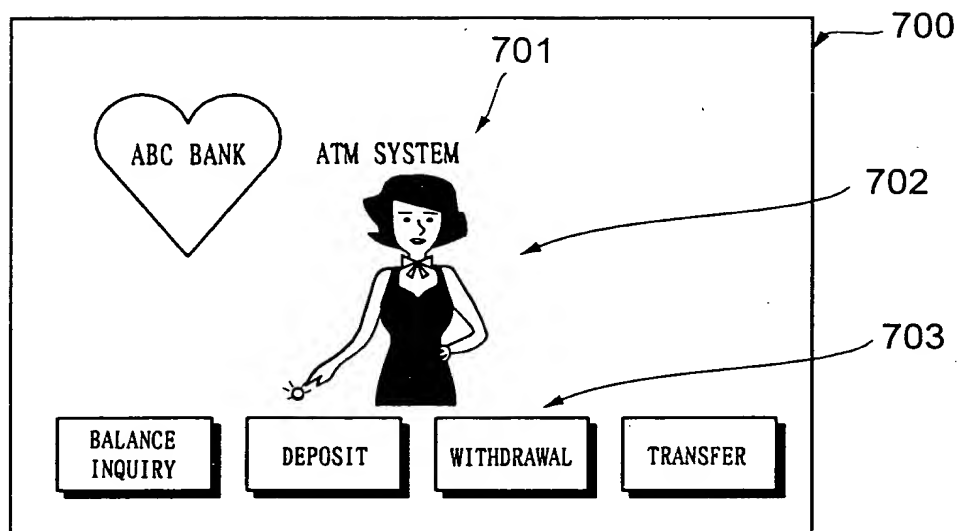
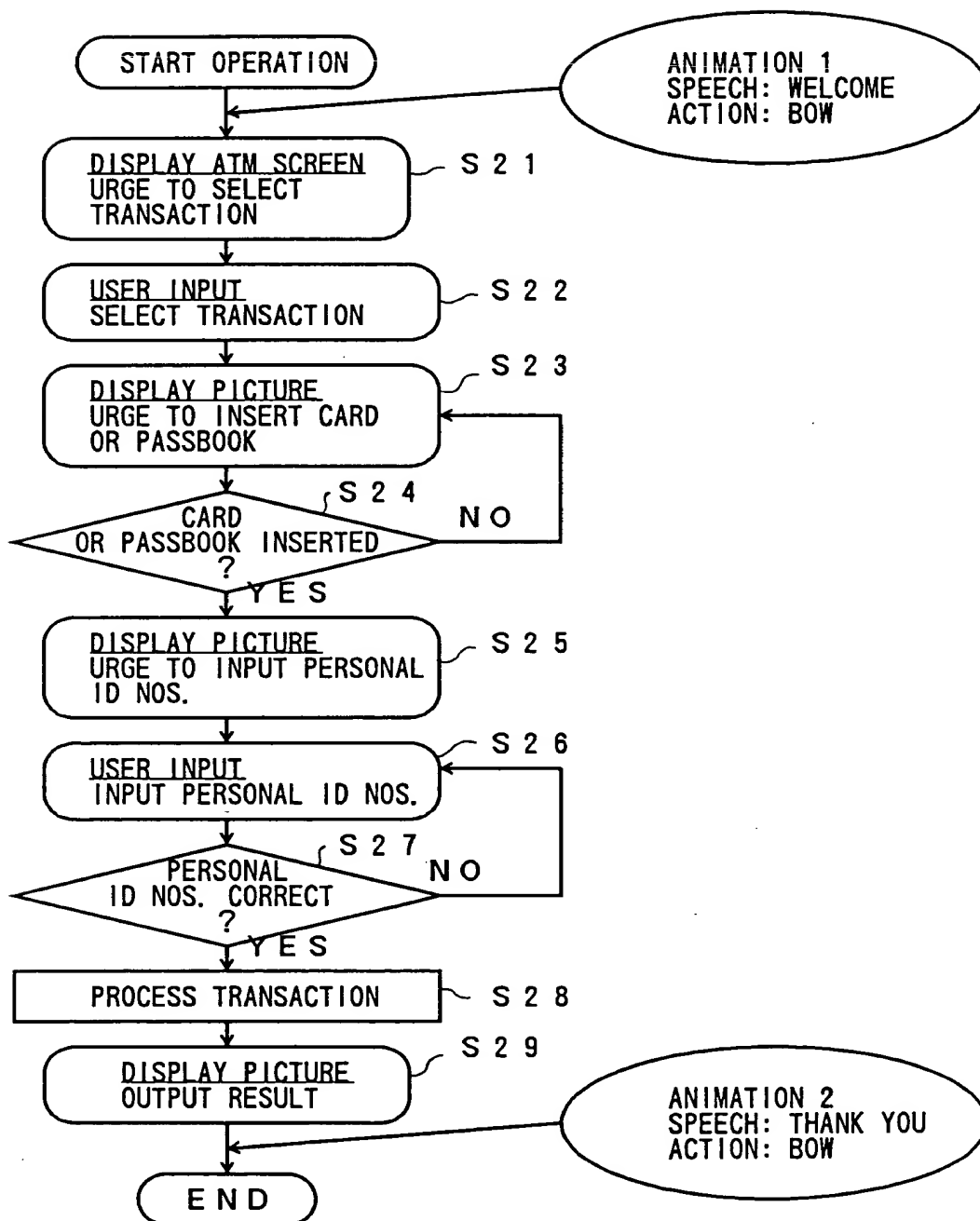
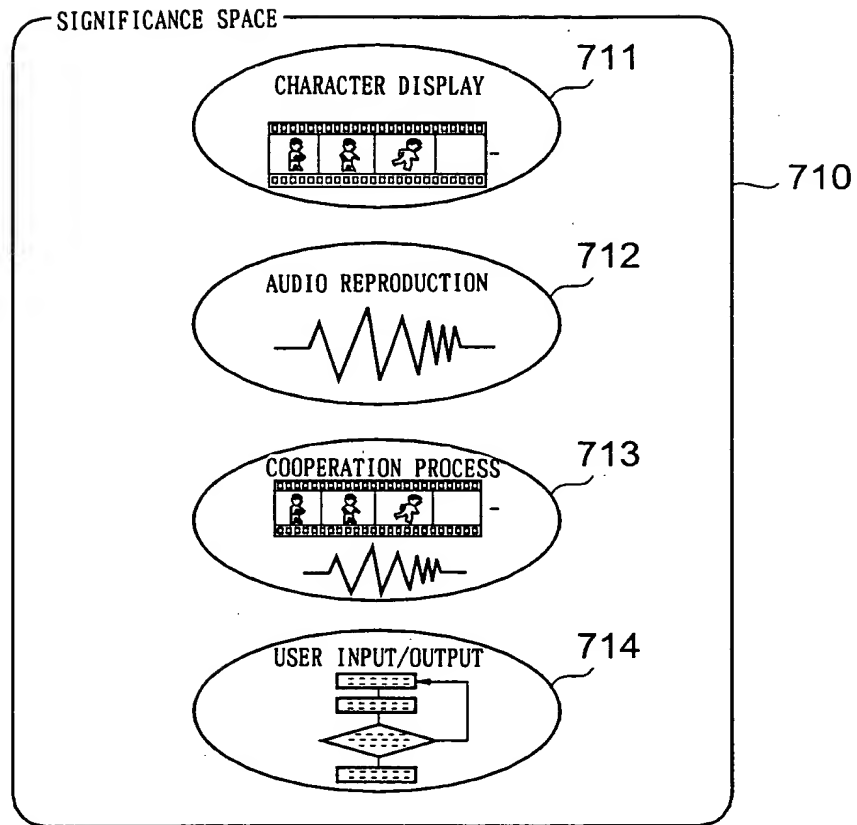


FIG. 21



667620" 9/19/92

FIG. 22



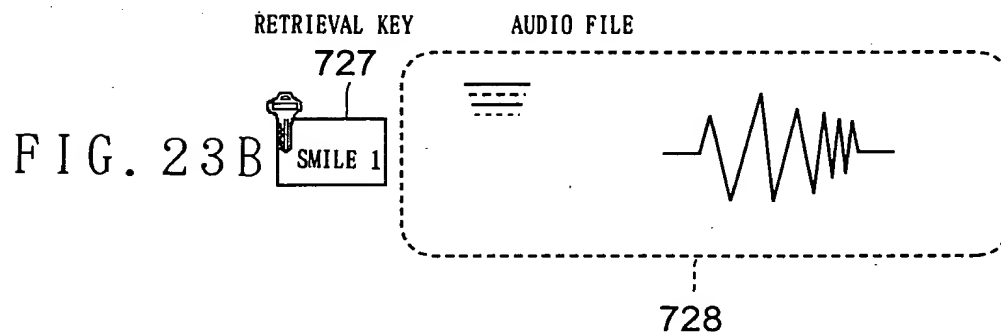
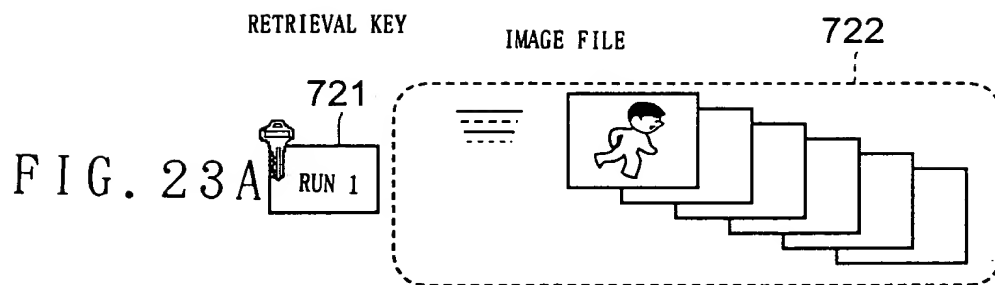


FIG. 24

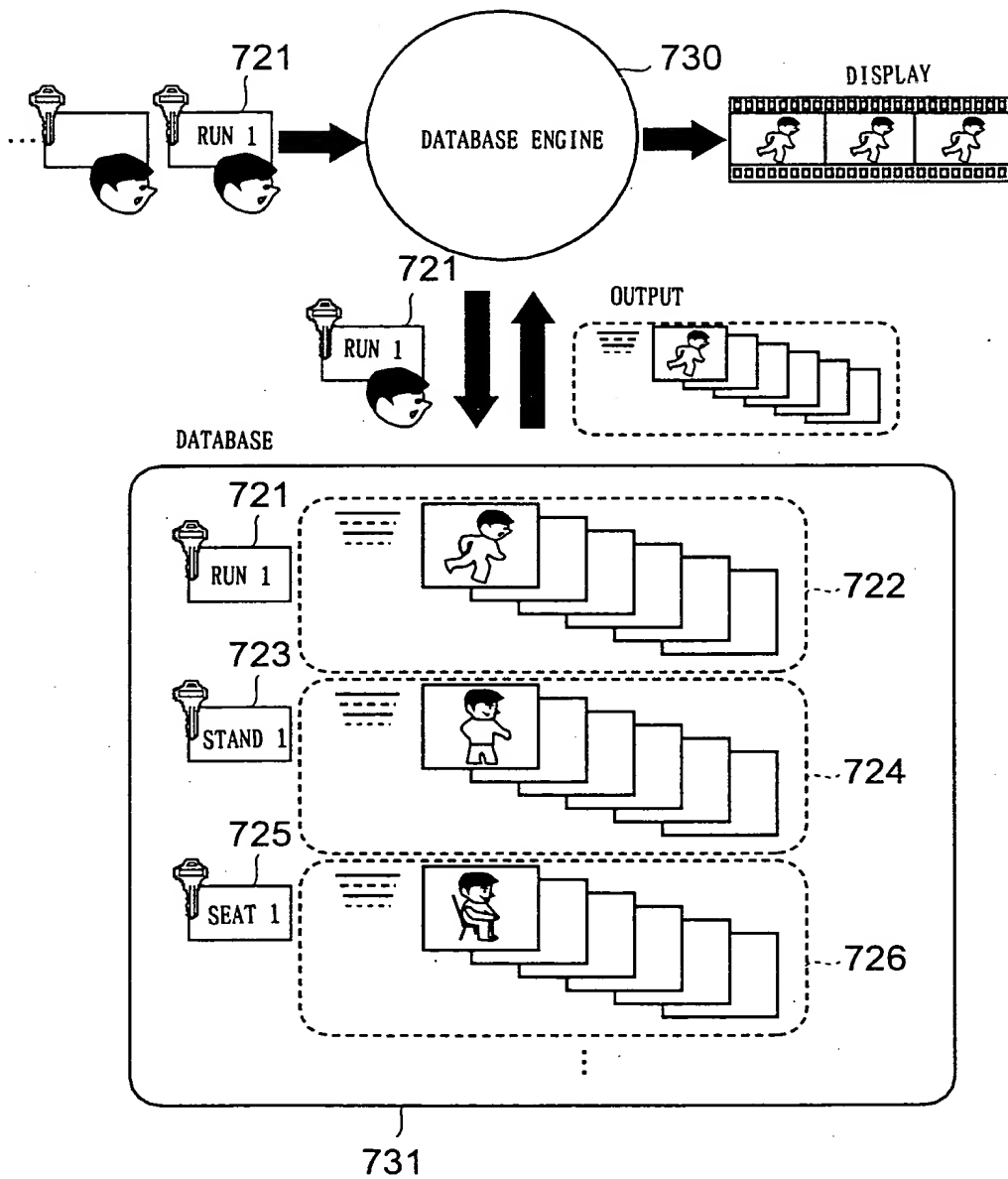


FIG. 25

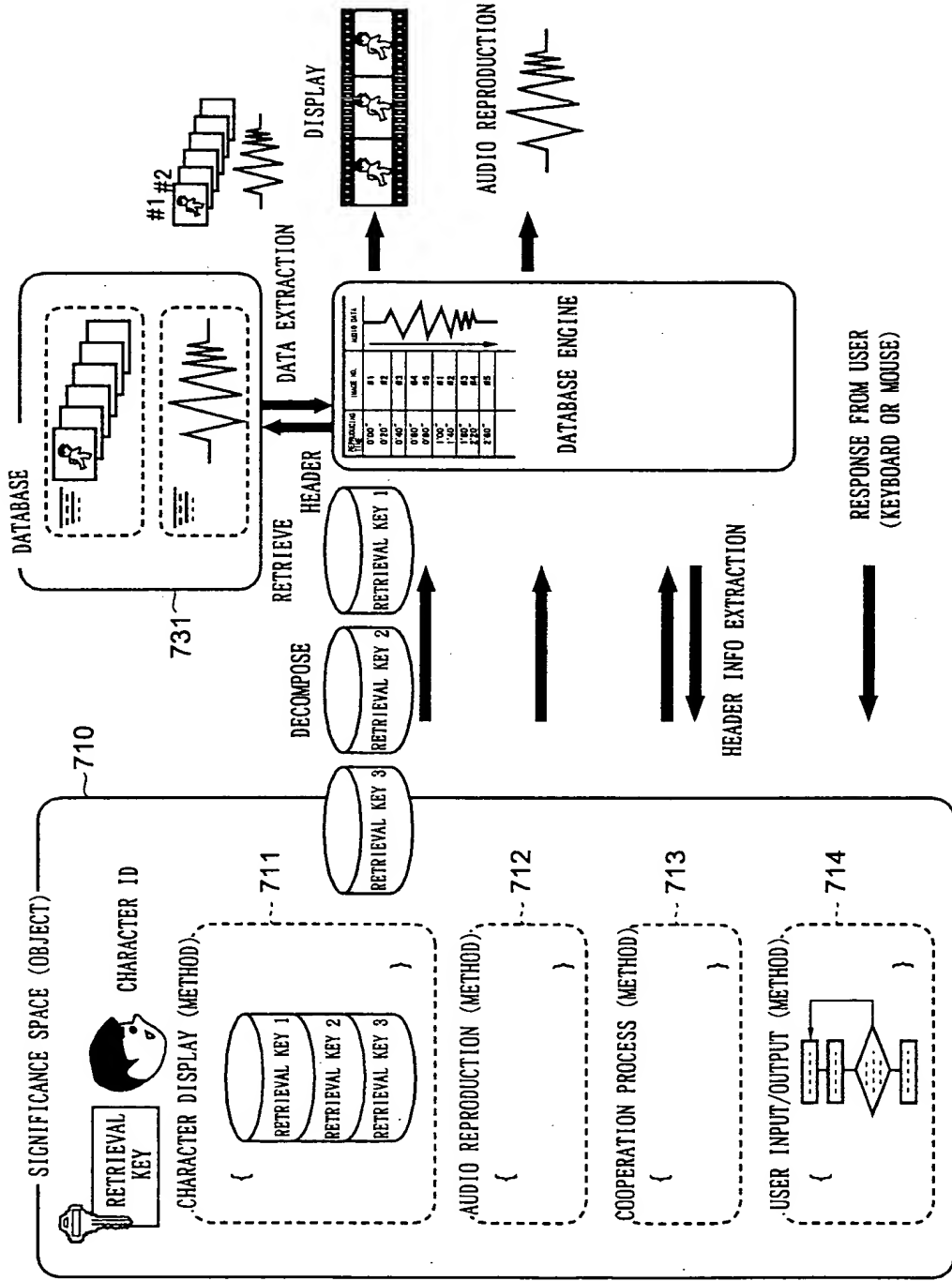




FIG. 26

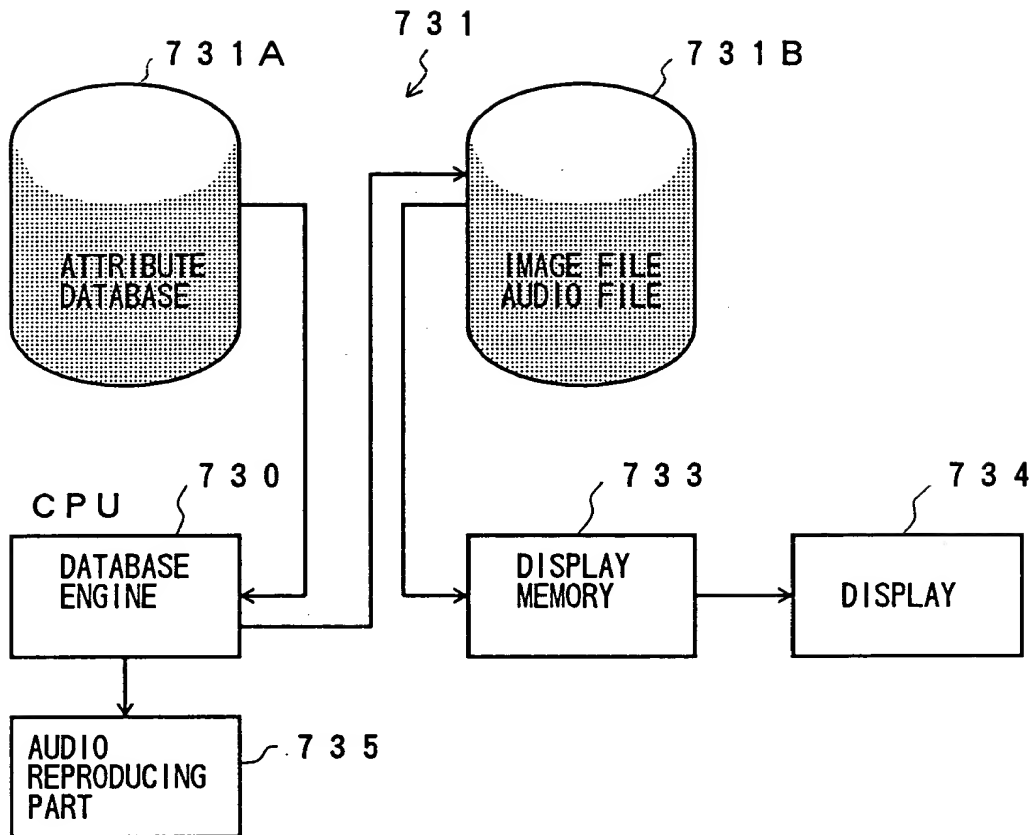
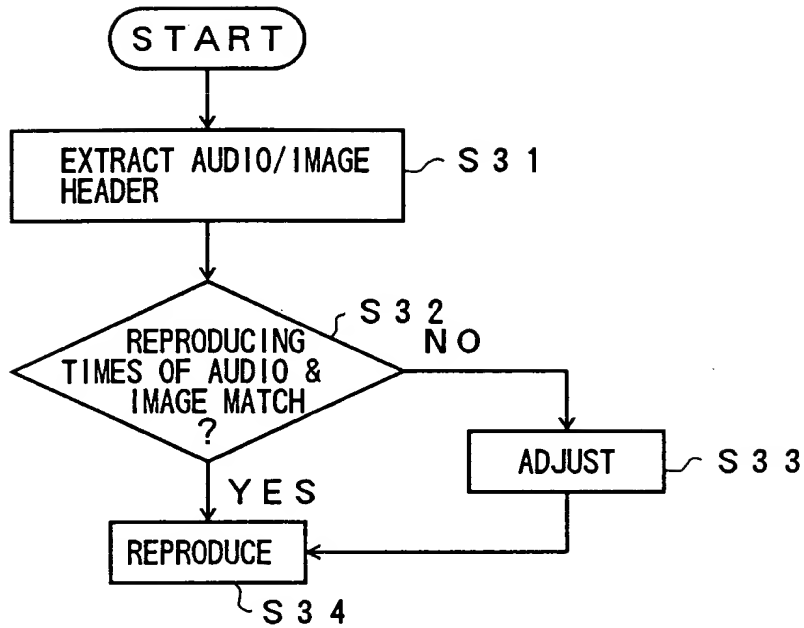


FIG. 27



# FIG. 28

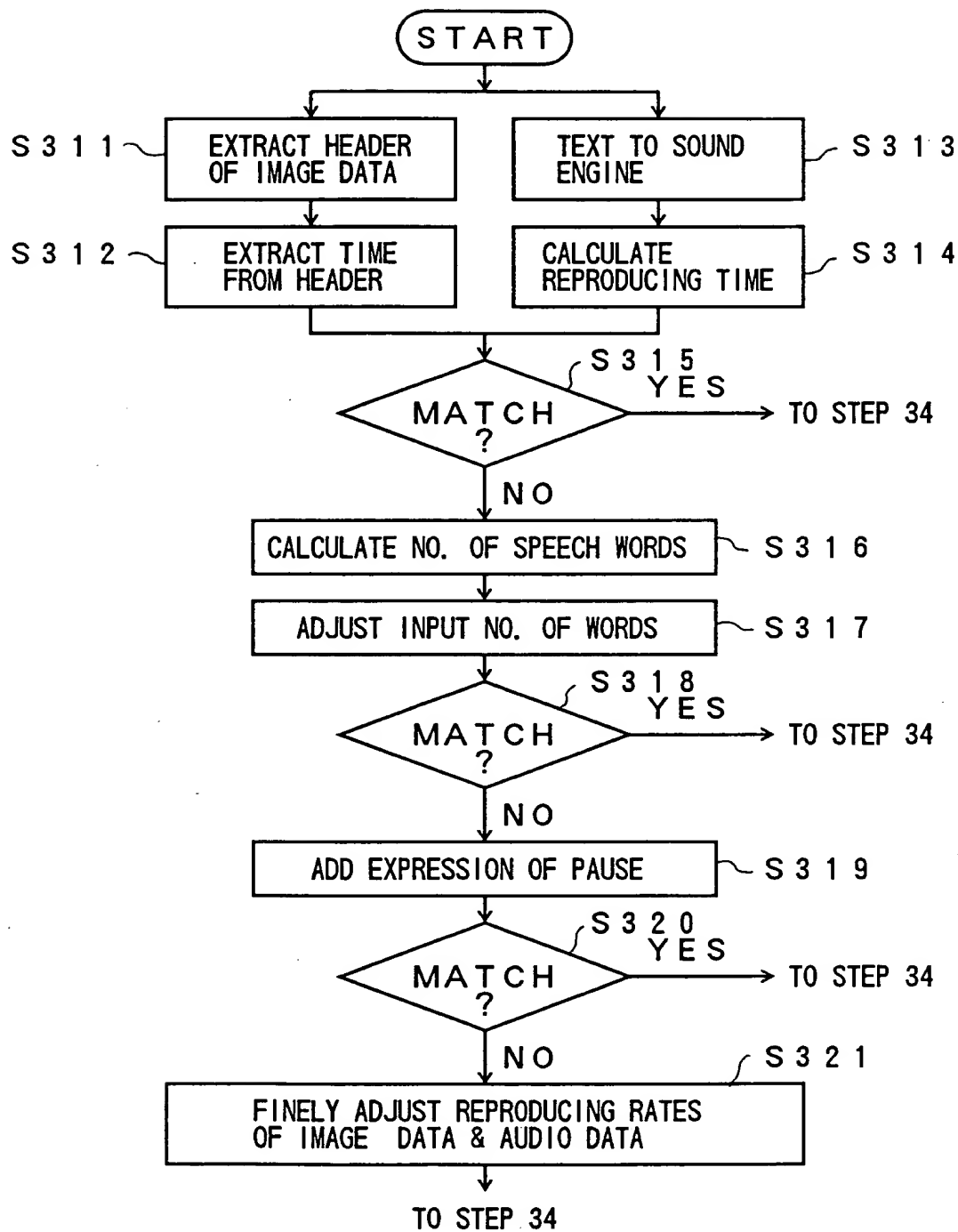
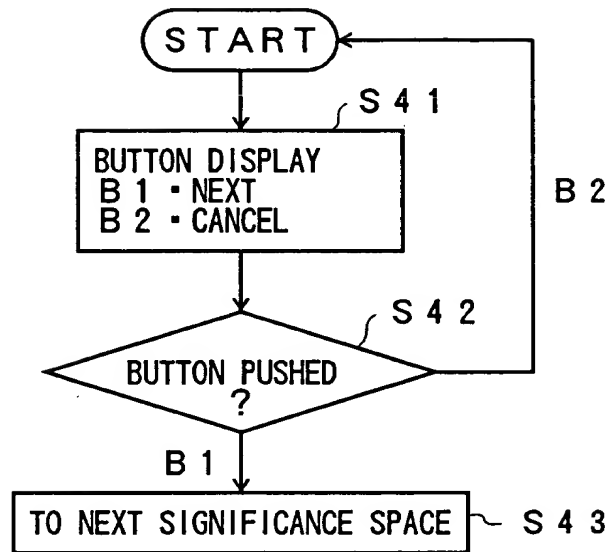


FIG. 29



# FIG. 30

SIGNIFICANCE SPACE: GREETING

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: SMILE, BOW  
AUDIO REPRODUCTION: WELCOME  
USER INPUT: BUTTON 1: NEXT  
BUTTON 2: RETURN

COOPERATION PROCESS:

7 1 0 - 1

SIGNIFICANCE SPACE: EXPLANATION

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: WAVING HAND  
AUDIO REPRODUCTION: THIS IS ABC BANK ATM  
SYSTEM  
USER INPUT: BUTTON 1: NEXT  
BUTTON 2: RETURN

COOPERATION PROCESS:

7 1 0 - 2

SIGNIFICANCE SPACE: SELECT

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: POINT BUTTON SHIFT LINE  
OF VISION TO BUTTON  
AUDIO REPRODUCTION: PLEASE SELECT  
DESIRED TRANSACTION  
USER INPUT: BUTTON 1: BALANCE INQUIRY  
BUTTON 2: WITHDRAWAL  
BUTTON 3: DEPOSIT  
BUTTON 4: RETURN

COOPERATION PROCESS:

7 1 0 - 3

SIGNIFICANCE SPACE: OPERATION (WITHDRAWAL)

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: POINT BUTTON SHIFT LINE  
OF VISION TO BUTTON  
AUDIO REPRODUCTION: PLEASE INPUT PERSONAL ID  
NOS.  
USER INPUT: BUTTON 1-9: TEN-KEY  
BUTTON 10: CANCEL  
BUTTON 11: RETURN

COOPERATION PROCESS:

7 1 0 - 4

PROCESS

SIGNIFICANCE SPACE: GREETING

CHARACTER ID OFFICE LADY

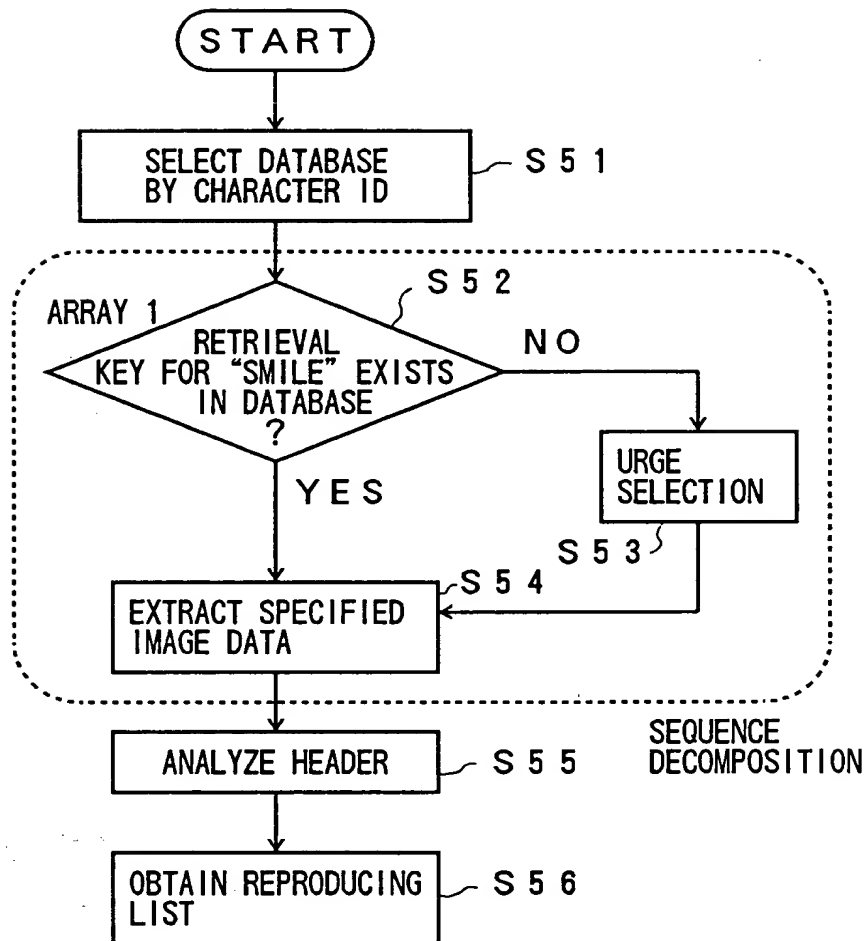
METHOD

CHARACTER DISPLAY: SMILE, BOW  
AUDIO REPRODUCTION: THANK YOU  
USER INPUT: -  
COOPERATION PROCESS:

7 1 0 - 5

66420-211320

FIG. 31





## REPRODUCING LIST



# FIG. 34

BASIC FORM  
(OBJECT BASE)

SIGNIFICANCE SPACE

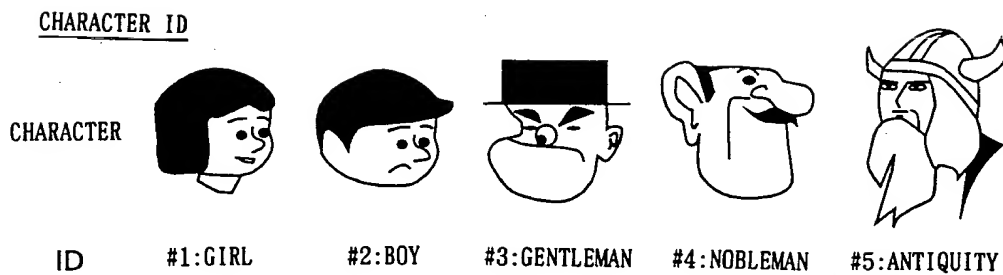
VARIABLE

\$-CHARACTER ID	
%-RETRIEVAL KEY	

METHOD

CHARACTER DISPLAY	
AUDIO REPRODUCTION	
USER INPUT/OUTPUT	
COOPERATION PROCESS	

FIG. 35A



RETRIEVAL KEY  
• ACTION

FIG. 35B

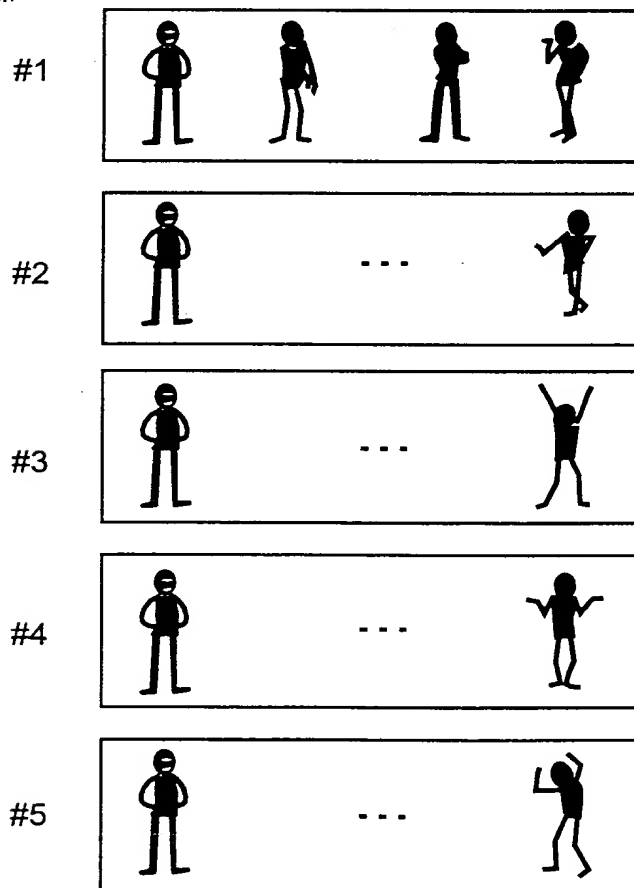


FIG. 36A

AUDIO REPRODUCTION

- WELCOME
- THANK YOU
- PLEASE CONFIRM
- PLEASE INPUT AGAIN

FIG. 36B

USER INPUT

- BUTTON STRUCTURE

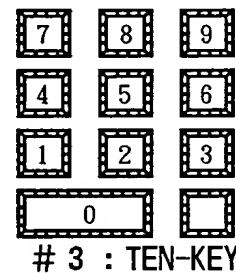
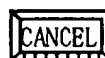
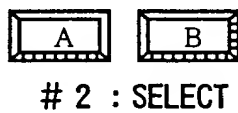
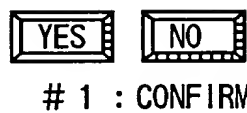


FIG. 36C

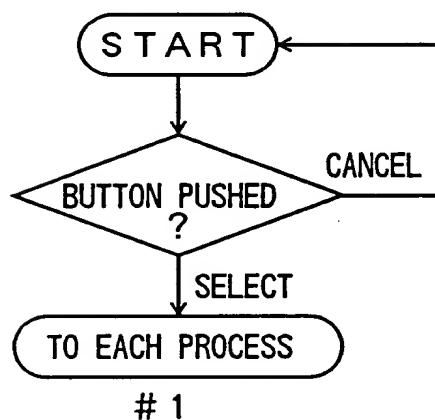
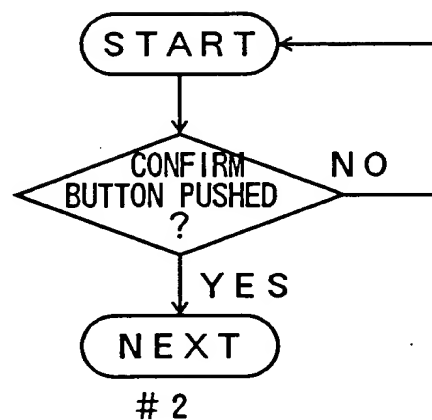


FIG. 36D



SIGNIFICANCE SPACE	
VARIABLE	
\$-CHARACTER ID	5 : ANTIQUITY
%-RETRIEVAL KEY	
METHOD	
CHARACTER DISPLAY	4 : AMAZED
AUDIO REPRODUCTION	PLASE INPUT AGAIN
USER INPUT/OUTPUT (BUTTON STRUCTURE/ ALGORITHM)	# 1 : CONFIRM/#1
COOPERATION PROCESS	

\$-CHARACTER ID	5 : ANTIQUITY
%-RETRIEVAL KEY	

CHARACTER DISPLAY	4 : AMAZED
AUDIO REPRODUCTION	PLASE INPUT AGAIN
USER INPUT/OUTPUT (BUTTON STRUCTURE/ ALGORITHM)	# 1 : CONFIRM/#1
COOPERATION PROCESS	

FIG. 38A

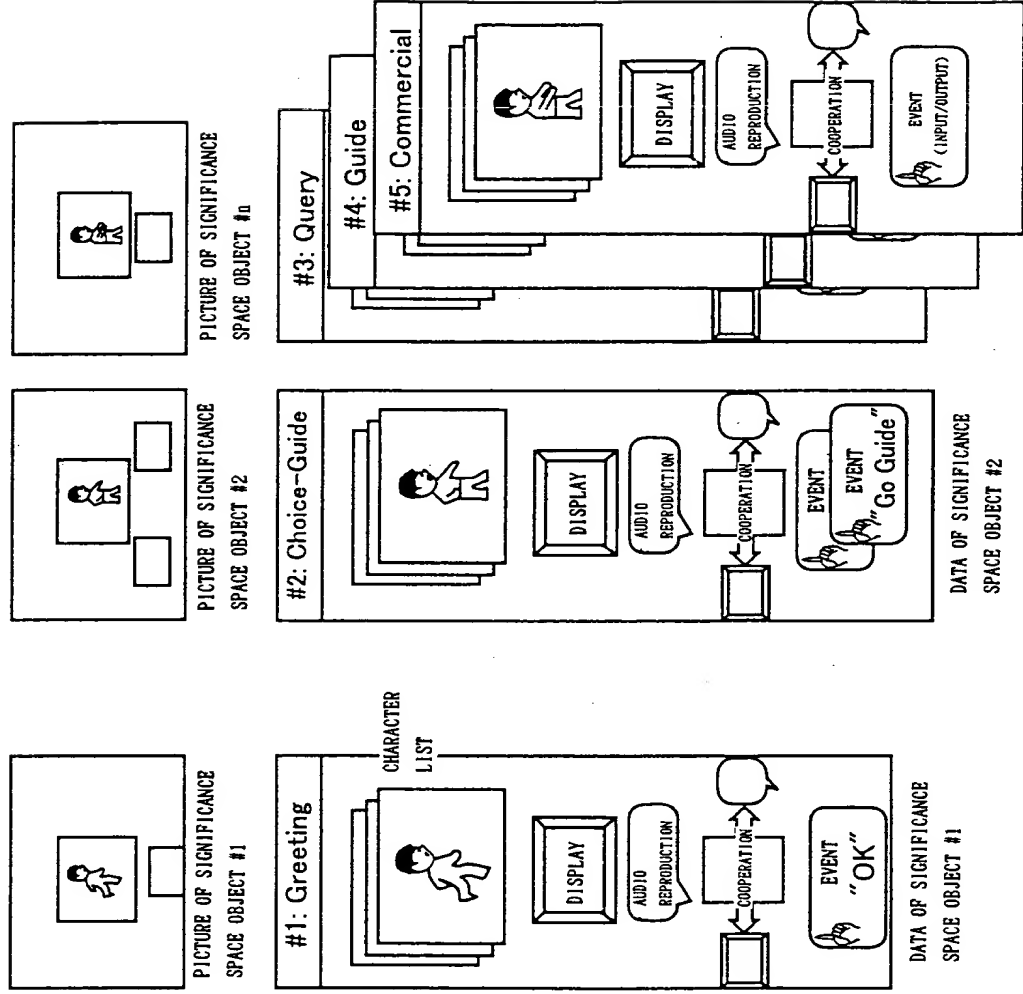


FIG. 38B

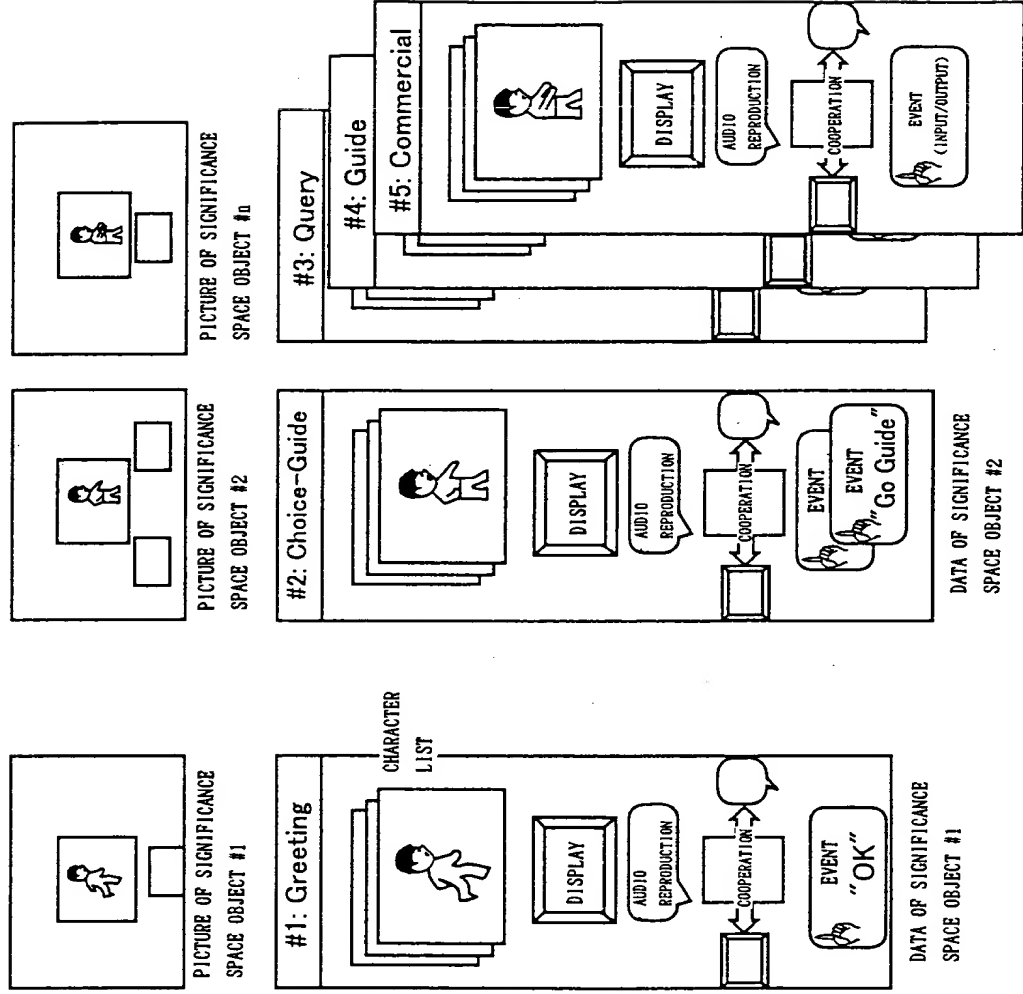
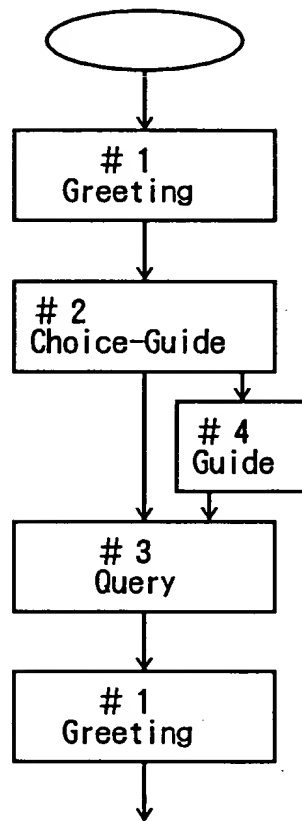


FIG. 39



# FIG. 40

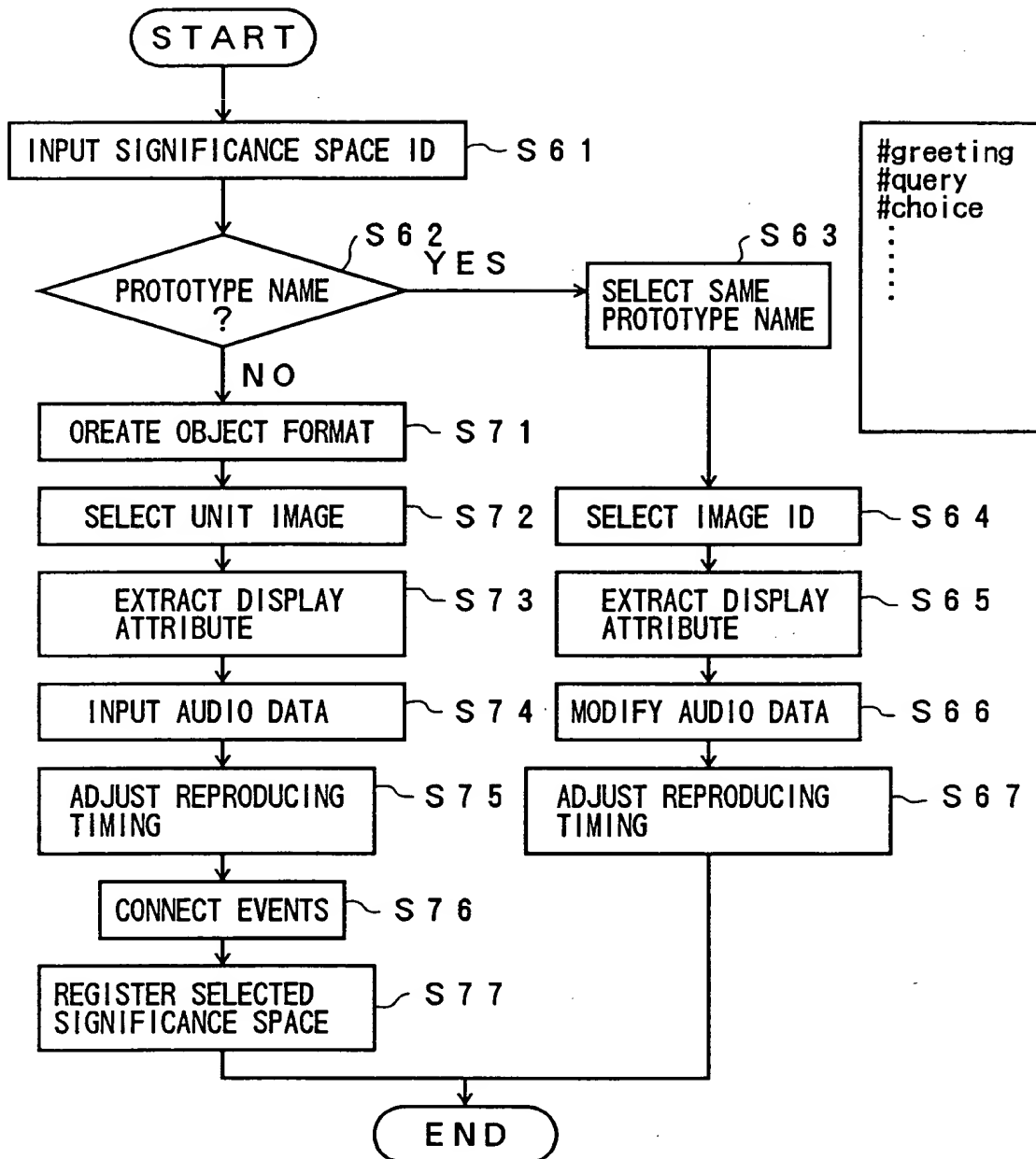


FIG. 41

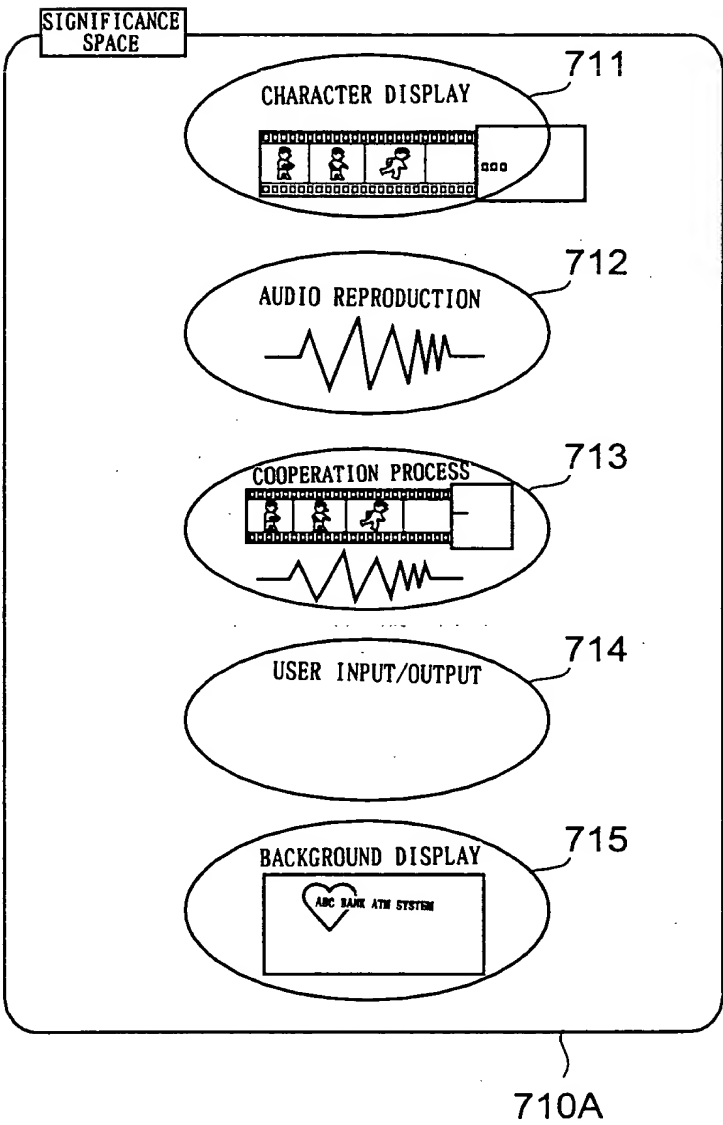
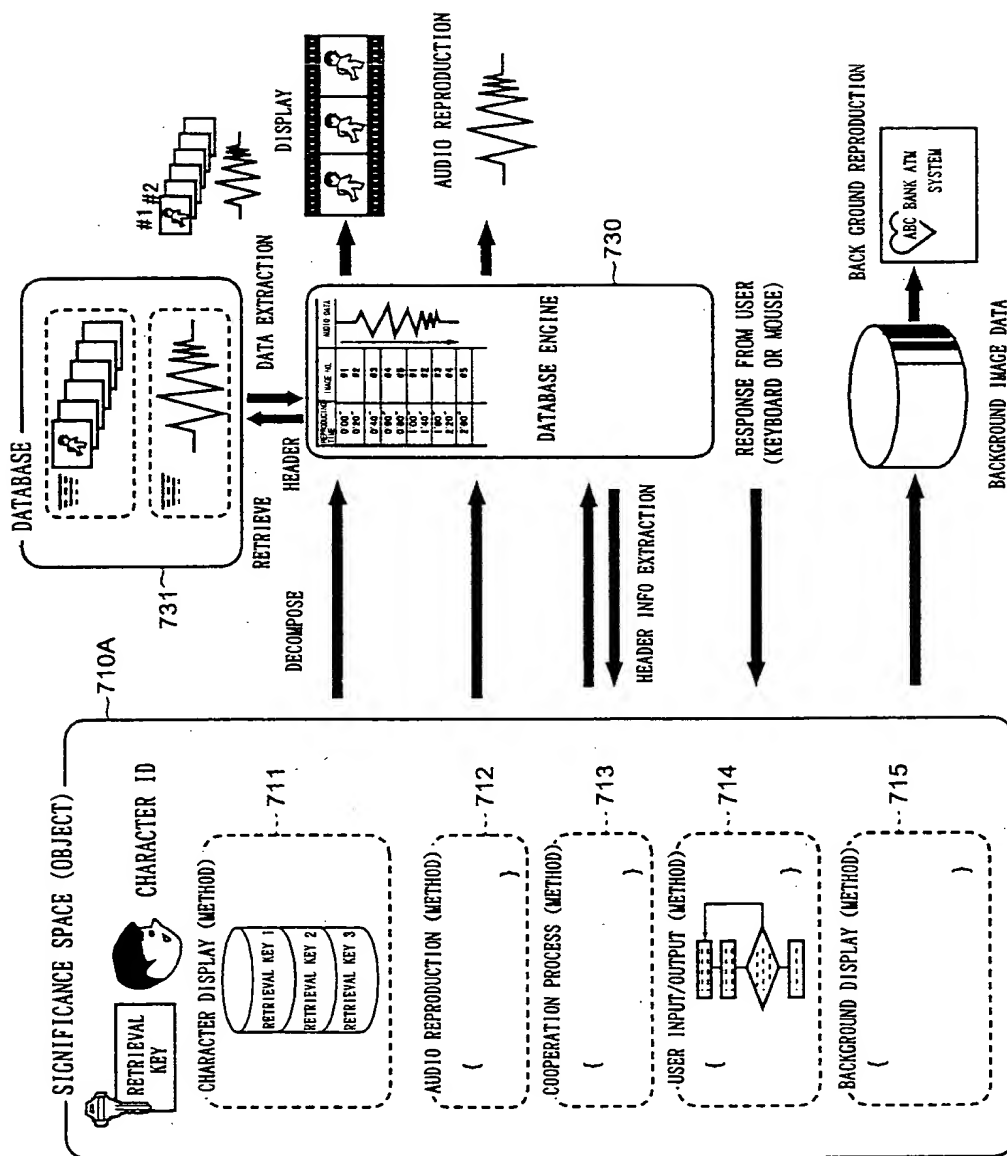




FIG. 42



# FIG. 43

SIGNIFICANCE SPACE: GREETING

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: SMILE, BOW

AUDIO REPRODUCTION: WELCOME

USER INPUT: BUTTON 1: NEXT  
BUTTON 2: RETURN

COOPERATION PROCESS:

BACKGROUND: ABC BANK (DEFAULT PICTURE 11)

710A-1

SIGNIFICANCE SPACE: EXPLANATION

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: WAVING HAND

AUDIO REPRODUCTION: THIS IS ABC BANK ATM  
SYSTEM

USER INPUT: BUTTON 1: NEXT  
BUTTON 2: RETURN

COOPERATION PROCESS:

BACKGROUND: ABC BANK (DEFAULT PICTURE)

710A-2

SIGNIFICANCE SPACE: SELECT

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: POINT BUTTON SHIFT LINE  
OF VISION TO BUTTON

AUDIO REPRODUCTION: PLEASE SELECT

USER INPUT: DESIRED TRANSACTION  
BUTTON 1: BALANCE INQUIRY  
BUTTON 2: WITHDRAWAL  
BUTTON 3: DEPOSIT  
BUTTON 4: RETURN

COOPERATION PROCESS:

BACKGROUND: WINDOW (PICTURE 12)

710A-3

SIGNIFICANCE SPACE: OPERATION (WITHDRAWAL)

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: POINT BUTTON SHIFT LINE  
OF VISION TO BUTTON

AUDIO REPRODUCTION: PLEASE INPUT PERSONAL ID  
NOS.

USER INPUT: BUTTON 1-9: TEN-KEY  
BUTTON 10: CANCEL  
BUTTON 11: RETURN

COOPERATION PROCESS:

BACKGROUND: SOLID COLOR (PICTURE 13)

710A-4

PROCESS

SIGNIFICANCE SPACE: GREETING

CHARACTER ID OFFICE LADY

METHOD

CHARACTER DISPLAY: SMILE, BOW

AUDIO REPRODUCTION: THANK YOU

USER INPUT: -

COOPERATION PROCESS:

BACKGROUND: WINDOW (PICTURE 12)

710A-5

FIG. 44

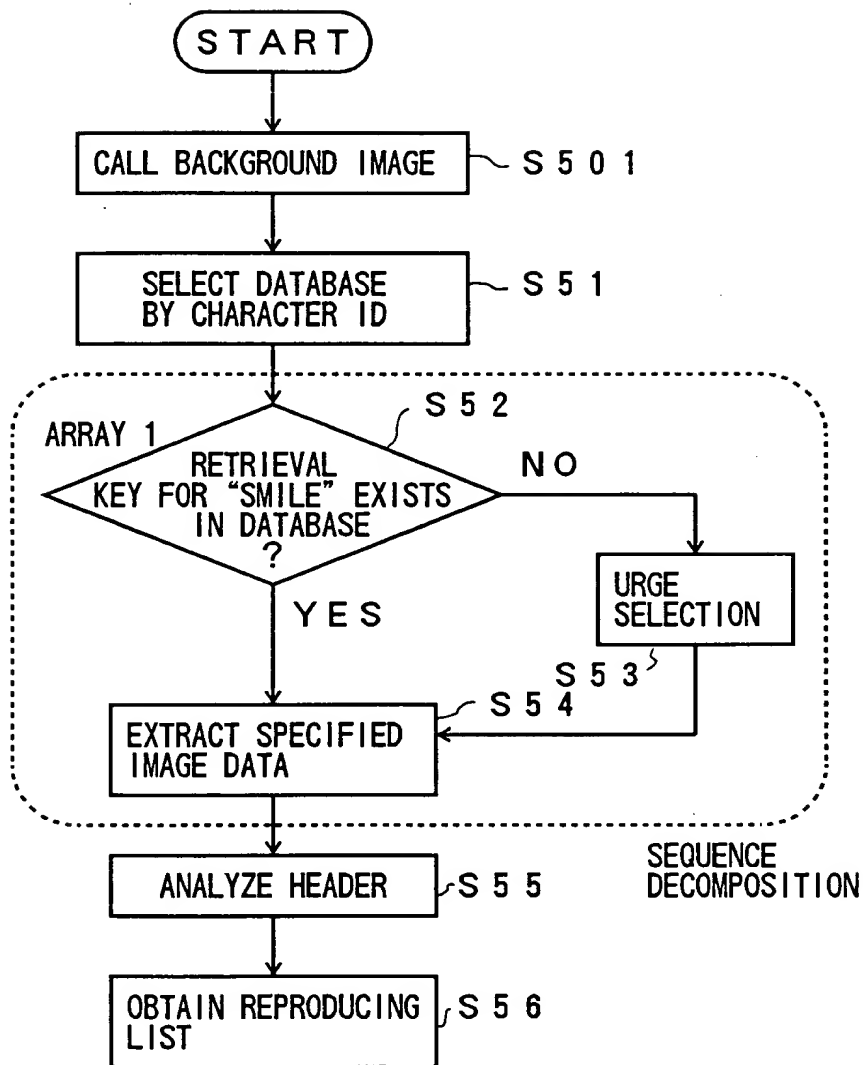







FIG. 45

RETRIEVAL KEY	HEADER	BACKGROUND IMAGE FILE
EXTRACT ← ABC BANK	#0	
...	...	...
WINDOW	#2	
...	...	...
...	...	...

RETRIEVAL KEY	HEADER	IMAGE FILE				
...	...	...				
EXTRACT ← SMILE	T1P5		...			
		#1	#2	#3	#4	#5
...	...	...				
...	...	...				
EXTRACT ← BOW	T2P5		...			
		#1	#2	#3	#4	#5
...	...	...				

DATABASE

REPRODUCING LIST

FIG. 47A

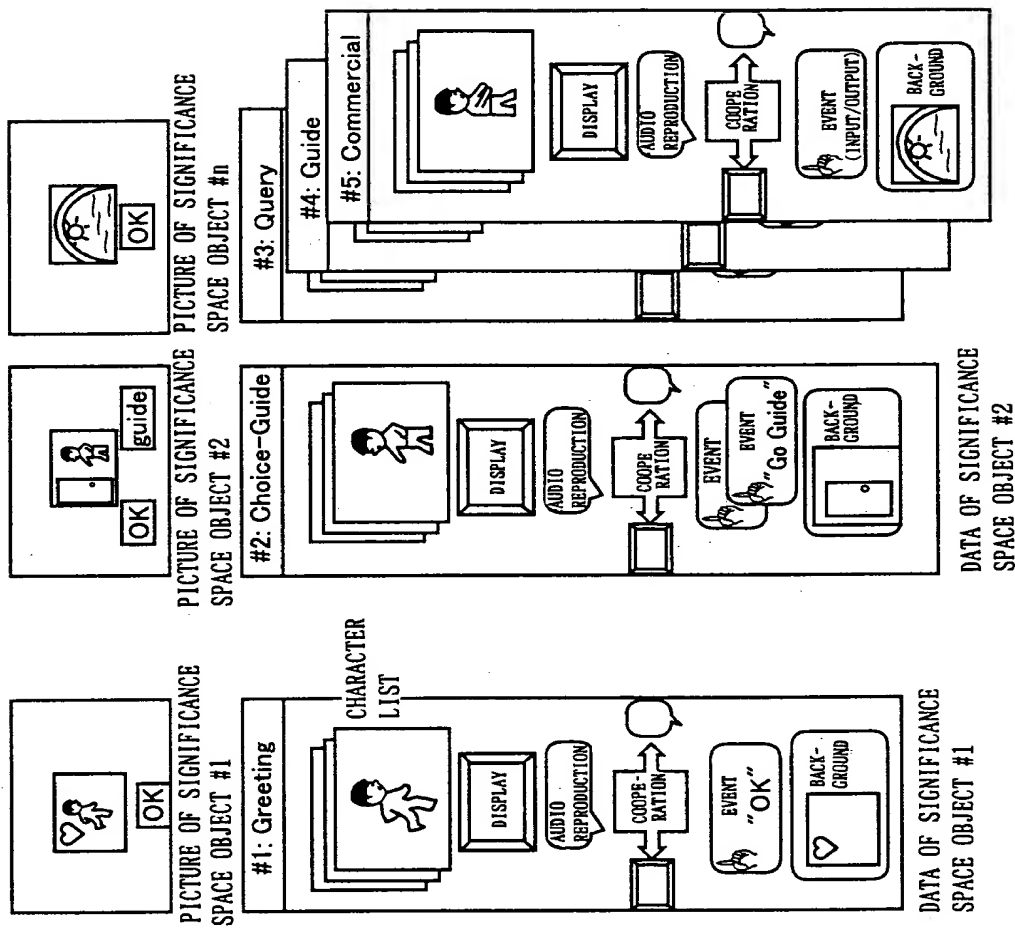
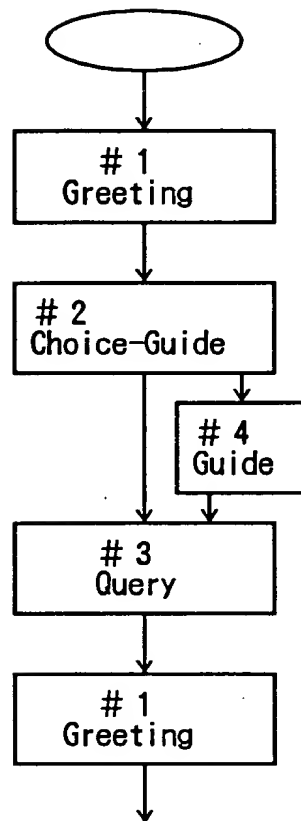


FIG. 47B

FIG. 48



# FIG. 49

